

Fuel in Geared Hubs?

One thing you don't expect to find in the geared hubs on HMMWVs is fuel. Gear oil? Of course. Water? Maybe, if the hub seal is bad. But fuel?

It is possible, because the vent line from the geared hub is connected to the vent line from the fuel pump. But for fuel to get into the geared hubs, the fuel lift pump diaphragm must be leaking. If the pump is leaking, your truck could also be hard starting or rough running.

Pump problems can cause fuel to be pushed into the vent lines, and since

the geared hubs are the lowest points in the vent system, the fuel tends to go there.

Fuel and gear oil together don't lube well, leading to damage to hub gears. Plus, too much liquid in the geared hubs leads to blown seals.

Remember, finding fuel in the geared hubs is rare. But if you do, replace the fuel lift pump, NSN 2910-01-168-7905. Then replace the hub gear oil. You need to blow out the vent system with compressed air to get rid of the fuel.

